

CLAIMS

45. 37-68 (cancelled)
69. (original) A biomolecule/polymer conjugate wherein said biomolecule is conjugated to said polymer by a hydrazone bond, wherein said biomolecule is a polynucleotide, oligonucleotide, a DNA or a RNA and wherein said polymer is a poly-L-lysine, poly-L-ornithine or polyethyleneimine.
70. (original) A biomolecule/polymer conjugate wherein said biomolecule is conjugated to said polymer by a hydrazone bond, wherein said biomolecule is a protein, a glycoprotein, a peptide or a carbohydrate and wherein said polymer is a poly-L-lysine, poly-L-ornithine or polyethyleneimine.
71. (original) A biomolecule/polymer conjugate wherein said biomolecule is conjugated to said polymer by a oxime bond, wherein said biomolecule is a polynucleotide, oligonucleotide, a DNA or a RNA and wherein said polymer is a poly-L-lysine, poly-L-ornithine or polyethyleneimine.
72. (original) A biomolecule/polymer conjugate wherein said biomolecule is conjugated to said polymer by a oxime bond, wherein said biomolecule is a protein, a glycoprotein, a peptide or a carbohydrate and wherein said polymer is a poly-L-lysine, poly-L-ornithine or polyethyleneimine.
73. (original) A method for immobilizing an oligonucleotide to a surface comprising:
- a. linking a nucleotide primer to a polymer via hydrazone bond to produce a nucleotide primer/polymer conjugate said polymer of said

- nucleotide primer/polymer conjugate having at least one aldehyde or ketone moiety;
- b. binding said oligonucleotide to said nucleotide primer on said nucleotide primer/polymer conjugate;
 - c. amplifying said oligonucleotide by polymerase chain reaction or by reverse transcriptase reaction to produce a double stranded oligonucleotide/polymer complex;
 - d. reacting said double stranded oligonucleotide/polymer complex with said surface said surface having at least one hydrazine moiety immobilizing said biomolecule to said surface.

74-76 (cancelled)



Conclusion

Applicant has elected restriction group II as requested by the Examiner and respectfully requests that claims 69-72 be examined in the above-identified patent application.

Respectfully submitted,

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